

Tutortastic Sample A

KS1 Arithmetic Questions

NEW SATS 2016

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Practice Question

1

$2 + 7 =$

Can we see if we are correct by using the number line?

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

1

$6 + 5 =$

**Is this close
to a
number
bond to 10?**



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

2

$$26 + 6 =$$

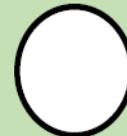
Uh oh!
 $6 + 6 = 12!$
What do
we do?

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

3

$$77 + 10 =$$

**Only one
number
will
change!
Which one?**



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

4

$$39 + 6 =$$

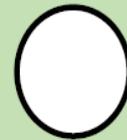
**How did
you add
this one
up?**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

5

$$21 + 2 + 2 =$$

**Yikes! 3
numbers to
add! How
could you
make this one
easier?**

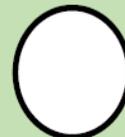


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

6

$$25 - 3 =$$

Will the answer be **more** or **less** than 25? How do you know?



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

7

$$+ 3 = 7$$



**We will
have to
use our
inverse
here!**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

8

$$55 + 7 =$$

**Did you
carry a
ten on
this one?**



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

9

$$5 + 7 + 3 =$$

**I can see a
number
bond to
10? Can
you?**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

10

$$29 + 43 =$$

**Which number
comes after 29?
How can that
help you?**

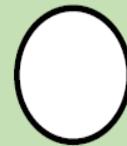


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

11

$$61 + 20 =$$

**Can you
count in
10's?**



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

12

$$70 - \square = 10$$

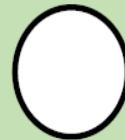
**Inverse
will help
you!**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

13

$4 \times 10 =$

**Can you
count in 4's
or 10's?**



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

14

$6 \times 2 =$

**Multiplying
by 2 is the
same as
doubling!**



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

15

$5 \times 3 =$

**Can you
count in 3's
or 5's?**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

16

$$16 \div 2 =$$

**Dividing
by 2 is the
same as
halving!**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

17

$$25 \div 5 =$$

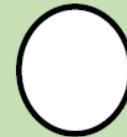
**How will
your 5
times table
help you?**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

18

$$\frac{1}{2} \text{ of } 24 =$$

**This
fraction
means
half!**



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

19

$$57 + 28 =$$

**Which
addition
method
did you
use?**



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

20

$$55 - 21 =$$

**Which
subtraction
method
did you
use?**



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

21

$$\frac{1}{4} \text{ of } 60 =$$

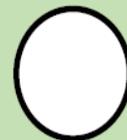
**This
fraction
means one
quarter!**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

22

$$50 - 23 =$$

**You can't
take 3 away
from 0!
What will
you do?**



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

23

$$42 + \boxed{} = 70$$

**Inverse to
the rescue!**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

24

$$\frac{2}{3} \text{ of } 30 = \boxed{}$$

**This
fraction
means two
thirds!**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

25

$$\frac{3}{4} \text{ of } 60 = \boxed{}$$

How do you know how many groups there are? The **numerator** or the **denominator**?

Congratulations!

You have completed KS1 Arithmetic Paper A!

The accompanying paper to this PowerPoint is available to download from the TES resources website:

<https://www.tes.com/teaching-resource/ks1-sats-2016-arithmetic-paper-1-sample-a-with-answers-11217883>

More papers are also available! Please don't forget to leave us feedback!

ANSWERS ARE ON THE FOLLOWING SLIDE!

KS1 Arithmetic Sample A – Answers

Total out of 25 marks – one mark per question

- | | |
|--------|--------|
| 1. 11 | 14. 12 |
| 2. 20 | 15. 15 |
| 3. 87 | 16. 8 |
| 4. 33 | 17. 5 |
| 5. 25 | 18. 12 |
| 6. 22 | 19. 85 |
| 7. 4 | 20. 34 |
| 8. 62 | 21. 15 |
| 9. 15 | 22. 27 |
| 10. 14 | 23. 28 |
| 11. 81 | 24. 20 |
| 12. 60 | 25. 45 |
| 13. 40 | |

These answers can be used as an aid during the PowerPoint either for marking the test or mini plenary activities.

Please visit www.tutortastic.co.uk for more details or email office@tutortastic.co.uk to have a tutor visit your school or home!